

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-024976

(43)Date of publication of application : 26.01.1990

(51)Int.Cl.

H01M 10/40

H01M 6/18

(21)Application number : 63-175536

(71)Applicant : HITACHI MAXELL LTD

(22)Date of filing : 14.07.1988

(72)Inventor : AKASHIRO KIYOAKI

NAGAI TATSU

KAWAKAMI AKIRA

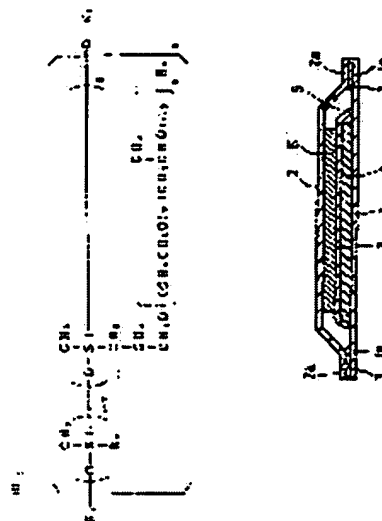
KAJITA KOZO

(54) LITHIUM ION CONDUCTING POLYMER ELECTROLYTE

(57)Abstract:

PURPOSE: To obtain good lithium ion conductivity in a solid shape at the room temperature by using the preset cross-linked polymer for an organic polymer.

CONSTITUTION: A battery 1 is provided with a positive electrode current collecting plate 1, a negative electrode current collecting plate 2, a positive electrode 4, a space 5, a negative electrode 6, and a separator 7. The separator 7 is formed with a lithium ion conducting polymer electrolyte made of a composite body of lithium salt and an organic polymer, a cross-linked polymer cross-linked with polysiloxane-graft polyether indicated by the formula I is used for the organic polymer. In the formula I, R1 is hydrogen, a low-level alkyl group, R2 is hydrogen or a low-level alkyl group, (x)=0.1□1.0, (y)=0.1□1.0, (m)=1□200, (n)=3□40.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office